ABSTRACT OF THE DISCLOSURE

      The fundamental waves and 3rd harmonics waves of
two local signals output from a 90° phase shifter are
suppressed by use of low-pass filters. The local
signals in which the fundamental waves and 3rd
harmonics waves are suppressed are respectively
supplied to two multipliers and respectively multiplied
by Ich and Qch base-band signals. The results of
multiplication in the two multipliers are added
together in an adder to create a modulation signal.